

XP-002138944

AN - 1983-48813K [20]

CPY - KIEN-R

- KIPO

DC - D15 E36 J03 X27

DR - 1887-P

FS - CPI;EPI

IC - C01B13/11

IN - KOZYURA V N; LYAKH A A

MC - D04-A01 D04-C E31-D J03-A

- X27-E01B

**M3 - [01] C408 C550 C810 M411 M424 M720 M740 M903 M910 N120 N142 Q231 Q508
R013**

PA - (KIEN-R) KIEV ENG CONS INST

- (KIPO) KIEV POLY

PN - SU941276 B 19820717 DW198320 004pp

PR - SU19802875012 19800125

XA - C1983-047419

XIC - C01B-013/11

XP - N1983-087332

AB - SU-941276 Air is ozonised for use in drinking water installations, after purification, partial drying, cooling and the application of an electrical discharge. Less energy is needed and the O₃ content of the air is raised by using a high voltage impulse discharge with a voltage amplitude of 10-600 kV; the duration of the impulse is (1.2-200). 10 power minus 6 sec; the rate of voltage increase is 10-10 power 5 kV/micro-sec. and the off duty factor between pulses is 0.9.10 power minus 3-1.12 sec.

- Dust free air is passed to a blower, the air is partially dried, after which it leaves the drier for cooling and then enters a sealed chamber fitted with 2 electrodes. The air is subject to an electrical discharge under the above conditions at a feed rate of 400 cu.m./hr. Present feed rates required are 600 cu.m./hr.; the O₃ concn. recorded is 19 g/cu.m. against 10 at present; Bul. 25/7.7.82. (4pp)

IW - OZONISE AIR HIGH VOLTAGE IMPULSE DISCHARGE USEFUL WATER TREAT

IKW - OZONISE AIR HIGH VOLTAGE IMPULSE DISCHARGE USEFUL WATER TREAT

INW - KOZYURA V N; LYAKH A A

NC - 001

OPD - 1980-01-25

ORD - 1982-07-17

PAW - (KIEN-R) KIEV ENG CONS INST

- (KIPO) KIEV POLY

TI - Ozonisation of air - Includes high voltage impulse discharge, useful in water treatment